

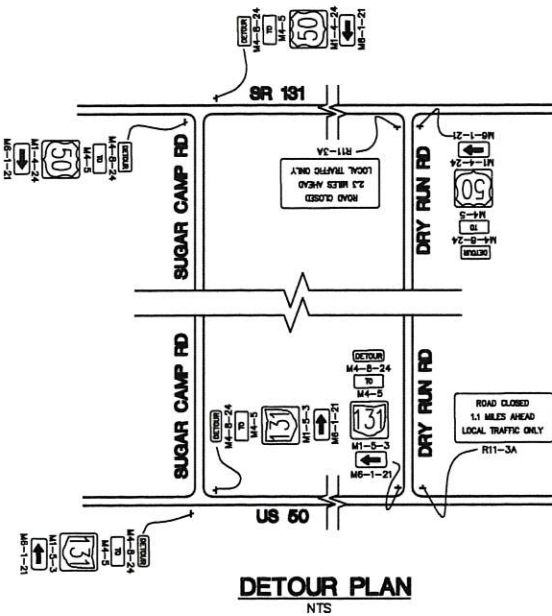
VICINITY MAP
NTS

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL 1-800-925-0988



DETOUR PLAN
NTS

BANK STABILIZATION DRY RUN ROAD MIAMI TOWNSHIP CLERMONT COUNTY, OHIO

GENERAL NOTES:

THE TOPOGRAPHIC AND/OR BOUNDARY SURVEY INFORMATION CONTAINED IN THESE PLANS WAS PROVIDED BY A TOPOGRAPHIC SURVEY BY G. J. BERDING SURVEYING OF MILFORD, OH. PROJECT CONTROL IS SHOWN IN THE PLANS.

THE CLERMONT COUNTY (OH) STANDARDS AND SPECIFICATIONS AND/OR THE CURRENT EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS APPLY TO THIS PROJECT AS INDICATED ON THE PLANS AND IN THE PROJECT NOTES.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE UTILITY COMPANIES AS REQUIRED BY SECTION 153.64 OF THE O.R.C. THE EXACT LOCATION OF UTILITIES SHALL BE DETERMINED BY CONTRACTOR NOTIFICATION OF THE UNITED UTILITIES PROTECTION SERVICE PRIOR TO BEGINNING ANY EXCAVATION.

UTILITY OWNERSHIP

ELECTRIC: DUKE ENERGY
139 EAST FOURTH ST.
CINCINNATI, OH 45202
(513) 632-2482

TELEPHONE: CINCINNATI BELL
201 EAST FOURTH ST.
CINCINNATI, OH 45202
(513) 397-3104

WATER & SEWER: CLERMONT COUNTY WATER RESOURCES DEPT
4400 HASKELL LANE
BATAVIA, OH 45103
(513) 732-7970

CLEARING

ALL GRADES SHOWN ON THESE PLANS ARE TO FINAL ELEVATION AFTER APPLICATION OF PAVING MATERIAL(S) OR TOPSOIL. ALL TREES, WITHIN THE PROPOSED CLEARING LIMITS, SHALL BE CUT AND THE STUMPS REMOVED. TOP SOIL IS TO BE REMOVED UNDER ALL AREAS TO RECEIVE EMBANKMENT OR PAVEMENT, AND THE AREAS PROOF-ROLLED PRIOR TO THE INSTALLATION OF ANY EMBANKMENT OR PAVING BASE MATERIAL. TOP SOIL SHALL BE SPREAD ON-SITE IN AREAS AWAY FROM PROPOSED STRUCTURES AS DIRECTED BY THE OWNER.

ITEM 614 MAINTENANCE OF TRAFFIC

DRY RUN ROAD IS TO BE CLOSED TO ALL TRAFFIC WITHIN THE PROJECT LIMITS THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION. THE CONTRACTOR SHALL PLACE BARRICADES, LIGHTS AND SIGNAGE ON DRY RUN ROAD PER ODOT SPECIFICATIONS AS FOLLOWS:

- AT SR 131 - R11-3A - ROAD CLOSED 2.3 MI AHEAD / LOCAL TRAFFIC ONLY
- JUST SOUTH OF WHITEHALL WAY - R20-3 - ROAD CLOSED AHEAD
- AT EACH END OF PROJECT LIMITS - R11-2 - ROAD CLOSED ON TYPE III BARRICADES WITH FLASHING YELLOW WARNING LIGHTS
- AT TIMBERWOLF TRAIL - R11-3A - ROAD CLOSED 0.26 MI AHEAD / LOCAL TRAFFIC ONLY
- AT US 50 - R11-3A - ROAD CLOSED 1.1 MI AHEAD / LOCAL TRAFFIC ONLY

THROUGH TRAFFIC BETWEEN SR 131 AND US 50 IS TO BE DETOURED PER THE DETOUR PLAN.

GABIONS

SUPPLEMENTAL SPECIFICATION 638

THE METHODS AND MATERIALS FOR THE CONSTRUCTION OF THE GABION WALL SHALL BE IN STRICT ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 638. SEE BID & CONTRACT DOCUMENTS SECTION 3.

EARTHWORK

EMBANKMENT CONSTRUCTION SHALL BE IN CONFORMANCE WITH ODOT ITEM 203 - ROADWAY EXCAVATION AND EMBANKMENT. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER TO MONITOR EARTHWORK AND TEST AND RECORD COMPACTION RESULTS FOR SUBMITTAL TO THE OWNER'S REPRESENTATIVE ON A REGULAR BASIS THROUGHOUT THE EMBANKMENT CONSTRUCTION. METHODS OF FILL CONSTRUCTION, MATERIALS UTILIZED FOR BORROW, AND COMPACTION OF EMBANKMENT SHALL BE AS NOTED IN THE REFERENCED ODOT SPECIFICATIONS.

PERMANENT SLOPES IN BOTH CUT AND FILL AREAS SHALL BE NO STEEPER THAN 3 H TO 1 V UNLESS REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD FOR THIS PROJECT. EMBANKMENTS PLACED ON EXISTING SLOPES STEEPER THAN 8 H TO 1 V SHALL BE BENCHED INTO THE EXISTING SLOPE. TYPICALLY THE BENCHES SHALL BE A MINIMUM OF 8 FEET WIDE AND HAVE A MAXIMUM WALL HEIGHT OF 4 FEET, IN ACCORDANCE WITH ODOT ITEM 203.05.

PROOF-ROLLING

ALL FILL EMBANKMENT AREAS SHALL BE PROOF-ROLLED AS PART OF THE SITE PREPARATION ACTIVITIES AND PRIOR TO FILLING. IN ADDITION, BOTH CUT AND FILL AREAS AT FINAL GRADE SHALL BE PROOF-ROLLED BEFORE PAVEMENT, FLOOR SLAB OR BUILDING CONSTRUCTION. PROOF-ROLLING SHOULD BE WITNESSED BY THE OWNER'S REPRESENTATIVE OR THE GOVERNING AGENCY, AND SHALL CONSIST OF RUNNING A FULLY LOADED 20-TON MINIMUM CAPACITY TANDEM AXLE DUMP TRUCK, OR OTHER HEAVY EQUIPMENT WITH EQUIVALENT WEIGHT, OVER THE ENTIRE AREA THAT IS TO RECEIVE PAVEMENT, EMBANKMENT OR STRUCTURES.

ANY UNSUITABLE SUBGRADE DISCOVERED DURING THE PROOF-ROLLING SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO ADDING EMBANKMENT OR PAVEMENT OR FLOOR BASE MATERIALS. ANY SOFT OR YIELDING SOILS ARE TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL THAT IS ADEQUATELY COMPACTED PRIOR TO ADDING PAVEMENT BASE, CONSTRUCTING FOUNDATIONS/SLABS OR ADDING OTHER STRUCTURAL FILL.

ITEM-611

12" CMP EXTENSION AS PER PLAN. SEE BID AND CONTRACT DOCUMENTS SECTION 3.

INDEX OF SHEETS

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SITE DRAINAGE

THE EXISTING CORRUGATED METAL PIPE IS TO BE EXTENDED TO PROTRUDE FROM THE PROPOSED GABION WALL AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL MODIFY THE BASKETS PER SECTION 3 OF THE BID & CONTACT DOCUMENTS.

EROSION CONTROL

TEMPORARY EROSION, MUD AND DEBRIS CONTROL SHALL BE PROVIDED IN STRICT ACCORDANCE WITH THE CLERMONT COUNTY WATER MANAGEMENT AND SEDIMENT CONTROL REGULATIONS AND AS INDICATED IN THE PLANS.

ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH ODOT ITEM 207 TEMPORARY SOIL EROSION AND SEDIMENT CONTROL AND/OR THE DETAILS SHOWN ON THE PLANS.

IN ADDITION TO ANY TEMPORARY EROSION, MUD AND DEBRIS CONTROL DETAILS AND NOTES SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH DIKE, TEMPORARY OR PERMANENT SEEDING, MULCHING AND/OR MULCH NETTING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING ROADS, OR INTO EXISTING SEWERS OR NEW SEWERS WITHIN THE DEVELOPMENT.

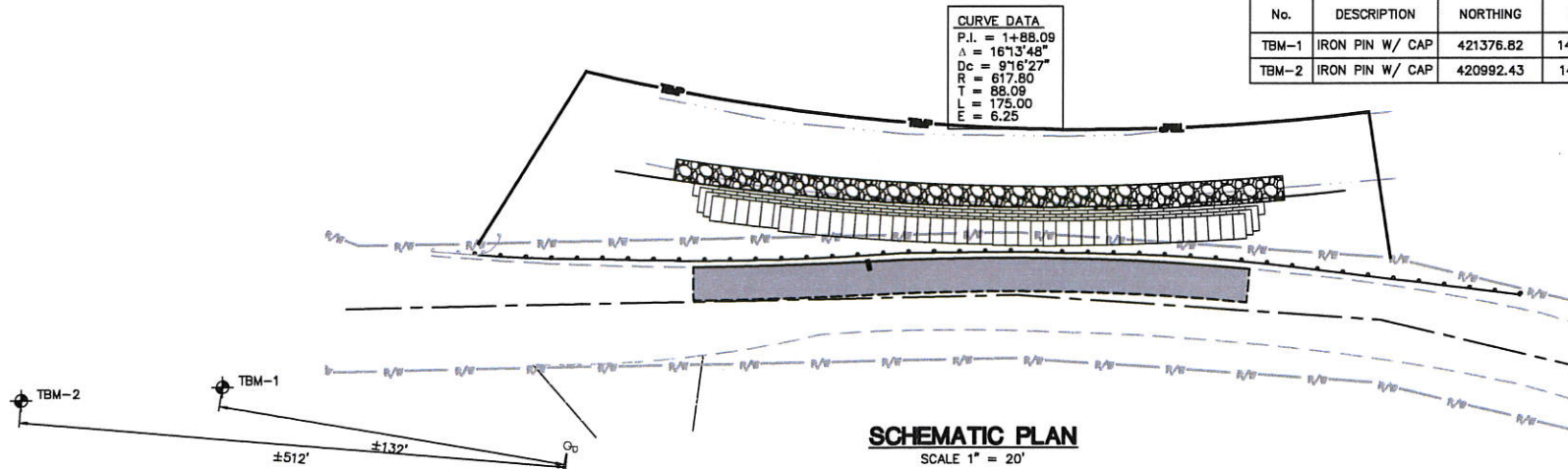
THESE PROJECT DRAWINGS INDICATE SILT FENCE IS TO BE THE PRIMARY EROSION CONTROL MEASURE FOR AREAS TO BE GRADED. THE USE OF MULCH MOUNDS OF SUFFICIENT HEIGHT WOULD BE ACCEPTABLE IN PLACE OF SILT FENCE WHERE POSSIBLE.

THE CONTRACTOR SHALL CONTINUALLY MONITOR THE CONSTRUCTION PROGRESS AND MAKE ANY NECESSARY TEMPORARY ADJUSTMENTS TO MAINTAIN THIS CONTROL.

DRY RUN ROAD CENTERLINE LAYOUT			
DESCRIPTION	STATION	NORTHING	EASTING
PC	2+75.00	421685.40	1482071.46
PT	1+00.00	421511.06	1482066.39

DRY RUN ROAD CENTERLINE LAYOUT			
DESCRIPTION	STATION	NORTHING	EASTING
BEGIN GUARDRAIL	11+30.00	421476.90	1482098.76
PT	12+59.69	421606.57	1482096.34
PT	13+47.46	421694.13	1482102.38
END GUARDRAIL	13+78.53	421724.35	1482109.59

PROJECT CONTROL				
No.	DESCRIPTION	NORTHING	EASTING	ELEVATION
TBM-1	IRON PIN W/ CAP	421376.82	1482097.07	666.26
TBM-2	IRON PIN W/ CAP	420992.43	1482117.66	659.75



SCHEMATIC PLAN
SCALE 1" = 20'



ROBERTS
ENGINEERING
INCORPORATED
802 LILA AVE., MILFORD, OHIO 45150
PHONE: (513) 831-0886 FAX: (513) 831-0884

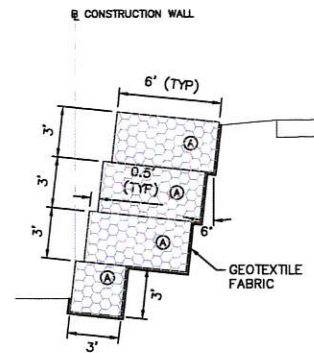
BANK STABILIZATION
DRY RUN ROAD
MIAMI TOWNSHIP
CLERMONT COUNTY, OHIO

TITLE

ISSUES	PURPOSE
NO.	DATE

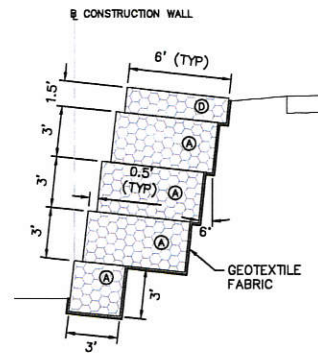
SCALE:	DATE: 08/11/17
DESIGNED: LAJ	DRAWN: SJB
CHECKED: RWR	SHEET

PROJECT
1614



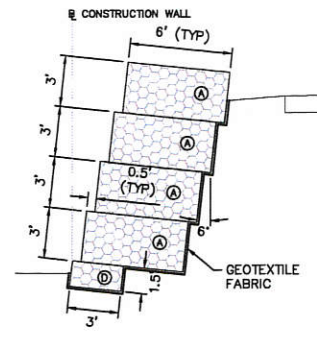
**GABION WALL
SECTION A**

STA. 1+19.00 TO STA. 1+40.24



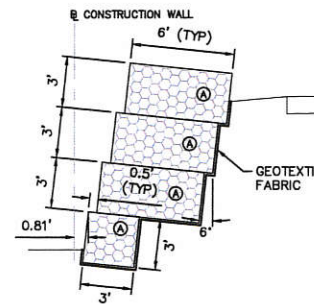
**GABION WALL
SECTION B**

STA. 1+40.24 TO STA. 1+91.00



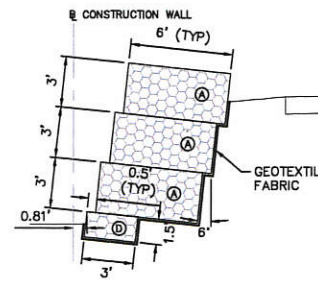
**GABION WALL
SECTION C**

STA. 1+91.00 TO STA. 2+15.00



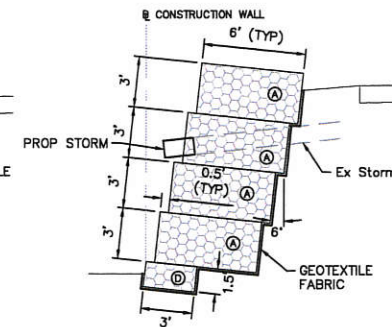
**GABION WALL
SECTION D**

STA. 2+15.00 TO STA. 2+43.43



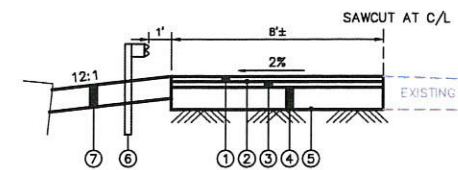
**GABION WALL
SECTION E**

STA. 2+43.43 TO STA. 2+55.41



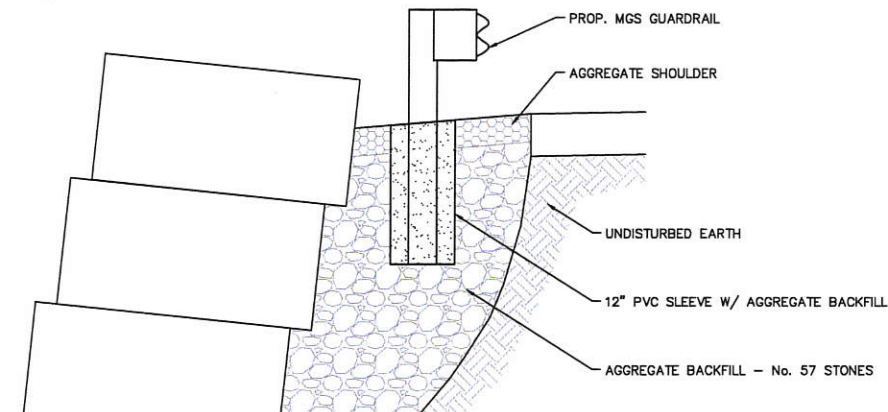
**GABION WALL
STORM SEWER SECTION**

LEGEND
 (A) GABION BASKET (3'x6'x3')
 (B) GABION BASKET (3'x6'x1.5')



- ① ITEM 448 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE
- ② ITEM 407 - TACK COAT (0.10 GAL/SY)
- ③ ITEM 448 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE
- ④ ITEM 304 - 8" AGGREGATE BASE
- ⑤ ITEM 204 - COMPACTED SUBGRADE
- ⑥ ITEM 606 - GUARDRAIL (PER ODOT SCD MGS-1.1, MGS-2.1)
- ⑦ ITEM 304 - 8" AGGREGATE BASE

PAVEMENT REPAIR DETAIL



GUARDRAIL SLEEVE DETAIL

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**BANK STABILIZATION
 DRY RUN ROAD
 MIAMI TOWNSHIP
 CLERMONT COUNTY, OHIO**

DETAILS

NO	DATE	PURPOSE

SCALE:
 DATE: 08/11/17
 DESIGNED: LAJ
 DRAWN: SJB
 CHECKED: RWR

SHEET
 3 / 5

PROJECT
 1614

